

Place Road (Westside) Levee

Off-Reservation Flood Protection Projects – **Place Road (Westside) Levee**

Text for inclusion in the Elwha River Restoration Project JARPA

All bold text is copied from the JARPA application. All responses are in normal text.

SECTION 2

4. NAME, ADDRESS, AND PHONE NUMBER OF PROPERTY OWNER(S), IF OTHER THAN APPLICANT.

See Ownership List

5. LOCATION (STREET ADDRESS, INCLUDING CITY, COUNTY AND ZIP CODE, WHERE PROPOSED ACTIVITY EXISTS OR WILL OCCUR)

Place Road, Clallam County, Washington 98363

LOCAL GOVERNMENT WITH JURISDICTION (CITY OR COUNTY)

Clallam County

WATERBODY

Elwha River

TRIBUTARY OF

N/A

WRIA#

18

¼ SECTION

SE1/4

SECTION

27

TOWNSHIP

31N

RANGE

7W

SHORELINE DESIGNATION

Conservancy

TAX PARCEL NUMBER

See Ownership List

ZONING DESIGNATION

R1

DNR STREAM TYPE, IF KNOWN

F

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6. DESCRIBE THE CURRENT USE OF THE PROPERTY, AND THE STRUCTURES EXISTING ON THE PROPERTY. IF ANY PORTION OF THE PROPOSED ACTIVITY IS ALREADY COMPLETED ON THIS PROPERTY, INDICATE THE MONTH AND YEAR OF COMPLETION.

This feature is a permitted flood protection levee on the west side of the Elwha River mouth.

IS THIS PROPERTY ON AGRICULTURAL LAND?

No

ARE YOU A USDA PROGRAM PARTICIPANT?

No

7.a. DESCRIBE THE PROPOSED CONSTRUCTION AND/OR FILL WORK FOR THE PROJECT THAT YOU WANT TO BUILD THAT NEEDS AQUATIC PERMITS: COMPLETE PLANS AND SPECIFICATIONS SHOULD BE PROVIDED FOR ALL WORK WATERWARD OF THE ORDINARY HIGH WATER MARK OR LINE, INCLUDING TYPES OF EQUIPMENT TO BE USED. IF APPLYING FOR A SHORELINE PERMIT, DESCRIBE ALL WORK WITHIN AND BEYOND 200 FEET OF THE ORDINARY HIGH WATER MARK. ATTACH A SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED.

The levee will be reconstructed and raised approximately two-feet to maintain the existing level of flood protection after dam removal. All work will be performed on the existing levee and westward. No work will be performed east of the existing levee toe. This work will be performed by hydraulic excavation working from the bank. No construction equipment will be operated in the water.

7.b. DESCRIBE THE PURPOSE OF THE PROPOSED WORK AND WHY YOU WANT OR NEED TO PERFORM IT AT THE SITE. PLEASE EXPLAIN ANY SPECIFIC NEEDS THAT HAVE INFLUENCED THE DESIGN.

The purpose of the proposed levee reconstruction is to provide the existing level of flood protection that currently exists following dam removal without further encroachment into the Elwha River estuary. Based on projections of future water surface elevations done by the Bureau of Reclamation and the Corps of Engineers, the Elwha River water surface is expected to rise after the removal of the Glines Canyon and Elwha dams due to the re-distribution of sediments collected behind the dams. Based on these projections, it is anticipated that the existing levee will not provide for the required level of flood protection.

7.c. DESCRIBE THE POTENTIAL IMPACTS TO THE CHARACTERISTIC USES OF THE WATER BODY. THESE USES MAY INCLUDE FISH OR AQUATIC LIFE, WATER QUALITY, WATER SUPPLY, RECREATION AND AESTHETICS. IDENTIFY PROPOSED ACTIONS TO AVOID, MINIMIZE, OR MITIGATE DETRIMENTAL IMPACTS, AND PROVIDE PROPER PROTECTION OF FISH AND AQUATIC LIFE. ATTACH A SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED.

Short-term Impacts due to Construction Include:

- Temporary increase in suspended sediments and turbidity potentially affecting fish and aquatic life and water quality.
- Temporary removal of riparian vegetation potentially affecting aquatic life and the aesthetic character of the riparian area.

Long-term Impacts Include:

- Continued restriction of the natural hydrological characteristics of the estuary.

Mitigation Measures during Construction Include:

- Minimizing the impacts to existing, healthy vegetation to the extent possible.

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- Use of proactive and reactive BMP's at the site.
- Use of silt fencing to isolate the construction area run-off from the river.
- Work during low flow conditions.
- Mulches and erosion control fabrics will be used in highly erosive areas.
- Use of bioengineered techniques for river bank stability where practicable.
- Boulders and woody debris may be strategically placed along the west bank to provide dispersion of surface runoff and to create micro-habitats to plant and wildlife species.

Mitigation Measured for Long-Term Impacts Include:

- Plant species that do not comprise the levee's structural integrity will be carefully matched to the soil and sun exposure for which they are best suited.
- Use of local nursery stocks will be emphasized.

8. WILL THE PROJECT BE CONSTRUCTED IN STAGES?

Yes, the Westside Levee will be constructed separately from other elements of the project.

PROPOSED STARTING DATE:

Prior to dam removal

ESTIMATED DURATION OF ACTIVITY:

6 months.

9. CHECK IF ANY STRUCTURES WILL BE PLACED:

WATERWARD OF THE ORDINARY HIGH WATER MARK OR LINE FOR FRESH OR TIDAL WATERS.

Yes, west side.

WATERWARD OF MEAN HIGH WATER LINE IN TIDAL WATERS

Yes, west side.

10. WILL FILL MATERIAL (ROCK, FILL, BULKHEAD, OR OTHER MATERIAL) BE PLACED:

WATERWARD OF THE ORDINARY HIGH WATER MARK OR LINE FOR FRESH OR TIDAL WATERS.

Yes, west side.

WATERWARD OF MEAN HIGH WATER LINE IN TIDAL WATERS.

No

11. WILL MATERIAL BE PLACED IN WETLANDS?

Yes, west side.

IF YES,

A. IMPACTED AREA IN ACRES:

B. HAS A DELINEATION BEEN COMPLETED? IF YES, PLEASE SUBMIT WITH APPLICATION.

Yes

C. HAS A WETLAND REPORT BEEN PREPARED? IF YES, PLEASE SUBMIT WITH APPLICATION.

Yes

D. TYPE AND COMPOSITION OF FILL MATERIAL (E.G. SAND, ETC):

Graded fill and riprap.

E. MATERIAL SOURCE:

Approved upland source.

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G. WILL PROPOSED ACTIVITY CAUSE FLOODING OR DRAINING OF WETLANDS?

No.

13. WILL EXCAVATION OR DREDGING BE REQUIRED IN WATER OR WETLANDS?

Yes.

A. VOLUME: 1,100 cubic yards from wetlands, 100 cubic yards for the entrance channel.
AREA: 0.4 acres of wetlands, 0.01 acres waterward of ordinary high water for the entrance channel.

B. COMPOSITION OF MATERIAL TO BE REMOVED:

Imported rock and graded materials used in the original levee construction.

C. DISPOSAL SITE FOR EXCAVATED MATERIAL:

Approved upland sites.

D. METHOD OF DREDGING

Hydraulic excavation or similar conventional earthmoving equipment.